



US006002507A

United States Patent [19]

[11] Patent Number: 6,002,507

Floyd et al.

[45] Date of Patent: Dec. 14, 1999

## [54] METHOD AND APPARATUS FOR AN INTEGRATED LASER BEAM SCANNER

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[21] Appl. No.: 09/201,738

[22] Filed: Dec. 1, 1998

[51] Int. Cl.<sup>6</sup> ..... G02B 26/08

[52] U.S. Cl. .... 359/201; 359/850; 359/224

[58] Field of Search ..... 359/198, 201, 359/202, 212, 213, 214, 220, 221, 223, 224, 225; 250/230, 234

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## [57] ABSTRACT

A solid state laser beam scanning system having a single crystal silicon deflection and scanning mirror integrated with a laser diode. By combining the techniques of deep reactive ion etching of silicon with solder bump bonding techniques, completed and tested laser diodes are integrated with silicon substrates supporting micro-electro-mechanical systems layers.

20 Claims, 11 Drawing Sheets

